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## PROGRESS - REPORT

February 1<sup>st</sup> 1952 to April 30<sup>th</sup> 1952

Contract No: N7 onr - 35805

Division of Engineering  
**Brown - University**  
Providence, Rhode Island

Sponsored jointly by:  
**OFFICE OF NAVAL RESEARCH**  
**OFFICE OF AIR RESEARCH**

PROGRESS REPORT: February 1, 1952 to April 30, 1952

CONTRACT NUMBER: N7-onr-35905

1. Investigation of Losses in Transonic Model Sections.

A report on losses in slotted walls will appear shortly.

2. Air-Drying Equipment.

Some difficulties in the air system and in the high frequency generator, found in the test runs, have been eliminated. The equipment dries the air to a dew point of  $-40^{\circ}\text{C}$ .

3. Supersonic Cascades.

The design and drawings of a supersonic cascade test section have been completed. Construction will start as soon as sufficient funds are available.

4. Upper Transonic Regime.

Construction of a special model section for testing in the upper transonic regime is near completion. The first tests are expected to take place about the end of May.

Prepared by: P. F. Maeder

Approved by: . . . . .